

AMENDMENTS TO THE SPECIFICATION

Please amend the paragraph beginning at page 49, line 11 and ending on page 49, line 24, as follows:

This embodiment describes the case where calculation series length 119 (s) given by calculation series length 118 is 4, but the present invention is also applicable to a case where calculation series length s is not 4. Calculation series length s is a value controlled by calculation length control section 503 and is variable as described above. Regarding control of calculation series length s, the case where CNR of demodulated signal 110 is estimated is shown as an example, but it is also possible to use parameters other than CNR, for example, reception power, reception quality (quality factor such as Eb/No). The quality factor Eb/No refers to the ratio of energy per bit to spectral noise density. The greater the calculation series length s, the greater the effect of averaging noise is.

Please amend the paragraph beginning on page 56, line 12 and ending on page 56, line 25, as follows:

This embodiment describes the case where calculation series length 119 (s) given by calculation series length 118 is 4, but the present invention is also applicable to a case where calculation series length s is not 4. Calculation series length s is a value controlled by calculation length control section 503 and is variable as described before. Regarding control of calculation series length s, the case where CNR of demodulated signal 110 is estimated is shown as an example, but it is also possible to use parameters other than CNR, for example, reception power, reception quality (quality factor such as Eb/No). The

quality factor  $E_b/N_0$  refers to the ratio of energy per bit to spectral noise density. The greater the calculation series length  $s$ , the greater the effect of averaging noise is.

Please amend the paragraph beginning on page 62, line 25 and ending on page 63, line 9, as follows:

This embodiment describes the case where calculation series length 119 ( $s$ ) given by calculation series length 118 is 4, but the present invention is also applicable to a case where calculation series length  $s$  is not 4. Regarding control of calculation series length  $s$ , the case where estimated frequency 302 given by frequency estimation section 301 is used is shown as an example, but it is also possible to use values taking into account parameters other than the estimated frequency, for example, reception power, reception quality (quality factor such as  $E_b/N_0$ ). The quality factor  $E_b/N_0$  refers to the ratio of energy per bit to spectral noise density. The greater the calculation series length  $s$ , the greater the effect of averaging noise is.

Please amend the paragraph beginning on page 69, line 28 and ending on page 70, line 12, as follows:

This embodiment describes the case where calculation series length 119 ( $s$ ) given by calculation series length 118 is 4, but the present invention is also applicable to a case where calculation series length  $s$  is not 4. Regarding control of calculation series length  $s$ , the case where estimated frequency 302 given by frequency estimation section 301 is used is shown as an example, but it is also possible to use values taking into account parameters other than the estimated frequency, for example, reception power, reception

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quality (quality factor such as  $E_b/N_0$ ). The quality factor  $E_b/N_0$  refers to the ratio of energy per bit to spectral noise density. The greater the calculation series length  $s$ , the greater the effect of averaging noise is.